## 10/533557 JC14 Rec'd PCT/PTO 29 APR 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applica Applica Date Fil Intl. Ap Title:	tion No.: led:	Mazet, et al. Unknown April 29, 2005 PCT/EP/2003/050774 COMMUNICATION UNIT AND AN OFDM COMMUNICATION S	3/050774 Intl. Filing Date: October 31, 2003 ATION UNIT AND METHOD OF CHANNEL ESTIMATION IN			
		INFORMATION DISCLO	SURE STATEMEN	VT (IDS)		
	ssioner Fo Iria, VA	or Patents 20231				
	hed Forn	dance with 37 C.F.R. §1.56 and in complete PTO/SB/08 and/or subsequently identifates Patent and Trademark Office.				
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		U.S. Serial Number		U.S. Filing Date		
П.	CONCI: a. ⊠ b. □ c. □	EXPLANATION OF THE RELEVANT Except as may be indicated below in (I information are in the English language A concise explanation of the relevance is not in the English language is as follow. The following additional information is	b) of this section, all of (concise explanation nof all patents, publications:	of the patents, publications or other ot required). ions or other information listed that		
III. 🗀	The Exarelated	REFERENCE TO RELATED APPLICA aminer is advised that the following co-pet to the present application. By bringin nt(s) does(do) not waive the confidentiali	ending application(s) c ag this (these) applica	ations to the Examiner's attention,		
	Serial N	o. Filing Date		Art Unit		
		<u>FE</u>	<u>CES</u>	,		
IV. 🛛	THIS III a. ⋈ b. □ c. □ d. □	within three months of the filing date of application under § 1.53(d) (37 C.F.R. § within three months of the date of er international application (37 C.F.R. § 1.9 before the mailing date of a first Office statement is required.  before the mailing date of a first Office examination under § 1.114 (37 C.F.R. §	f a national application 1.97(b)(1)). No fee or nearly of the national state (27(b)(2)). No fee or state (27(b)(2)). Action on the merits	a other than a continued prosecution statement is required. tage as set forth in § 1.491 in an atement is required. (37 C.F.R. §1.97(b)(3)). No fee or filing of a request for continued		

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V. 🗆	before	the mailing C.F.R.  )).  No state	§1.311, or an action that otherwis	ction under 37 C.F.R. §1.113, a Notice of Allowance e closes prosecution in the application (See 37 C.F.R. ount 502117 the fee set forth in 37 C.F.R. §1.17(p).
VI.		efore payr a statem	ment of the issue fee and is accompanent under 37 C.F.R. §1.97(e) as prodeposit account 502117 the petition	nied by the following: vided below; and
VII.	The und a.   b.	dersigned each ite Office is no item Office i after ma individu statemen	n a counterpart foreign application of information contained in the ID n a counterpart foreign application, aking reasonable inquiry, no item of all designated in 37 C.F.R. 1.56(cont, or	OS was cited in a communication from a foreign Patent not more than three months prior to the filing of IDS; or S was cited in a communication from a foreign Patent and to knowledge of the person signing the statement f information contained in the IDS was known to any more than three months prior to the filing of this
	c. <u> </u>	foreign contained foreign informathe IDS applicatinquiry,	Patent Office. As to this information of in the IDS was cited in a communication not more than three most tion, the undersigned hereby states is was cited in a communication from the ion or, to the knowledge of the patents.	ed in the IDS were cited in a communication from a con, the undersigned states that each item of information unication from a foreign Patent Office in a counterpart of this prior to the filing of this IDS. As to the remaining that no item of this remaining information contained in from a foreign Patent Office in a counterpart foreign person signing the statement after making reasonable the IDS was known to any individual designated in 37 to the filing of this statement.
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is detern	nined tha	nt this IDS	S has been filed under the wrong ru	OS, he/she is requested to contact the undersigned. If it le, the PTO is requested to consider this IDS under the priate fee to Deposit Account No. 502117.
				Respectfully submitted, Mazet, et al.
				migaen
MOTOR Custome				Indira Saladi Attorney for Applicant(s) Reg. No. 45,759 Telephone No.: 847.576.6735
Enclosur	res:		Information Disclosure Statement by Applicant References Foreign Search Report Other:	Fax No.: 847.576.0721

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r	NFORMATION D	ISCLOSU!	RE	Application Number	N/A 4U/93355
ST	ATEMENT BY	APPLICA	INT	Filing Date	April 29, 2005
				First Named Inventor	MAZET, ET AL.
				Group Art Unit	N/A
(use as many s	sheets as necessary)			Examiner Name	N/A
Sheet	1	of	2	Attorney Docket Number	CR00566P

				U. S. PATENT DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Pate Number	ent Document Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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No. I	Office <sup>3</sup>	Number <sup>4</sup>	Kind Cod (if known		Applicant of Cited Document	Publication of	Where Relevant Passages	
					Document	Cited Document MM-DD-YYYY	or Relevant Figures Appear	
		EP 1154602	Α	<b>\1</b>	LUCENT	11-14-2001		
		WO 99/60940			GLENAYRE	12-02-1999		
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Examiner Signature		Date Considered		
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				Application Number	IN/A AU / SAAAA
	INFORMATION	N DISCLOSU	RE	Filing Date	APRIL 29, 2005
S	TATEMENT E	BY APPLICA	INT	First Named Inventor	MAZET, ET AL.
				Group Art Unit	N/A
(use as many	sheets as necessary	)		Examiner Name	N/A
Sheet	2	of	2	Attorney Docket Number	CR00566P

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		PANAYIRCI, ET AL., Maximum A Posteriori Multipath Fading Channel Estimation for OFDM Systems, EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol. 13, no. 5, September 2002, pages 487-494, XP001133082, MILAN, ITALY	
		XIANGYANG ZHUANG, ET AL., Iterative Channel Estimation and Decoding for a Turbo-Coded OFDM system via the EM Algorithm, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, 13-17 May 2002, pages 2337-2340, XP001148757, 2002, Piscataway, NJ, USA, IEEE, USA	
		JAFFROT, ET AL., Turbo Channel Estimation for OFDM Systems on Highly Time and Frequency Selective Channels, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING PROCEEDINGS, 5-9 June, 2000, pages 2977-2980, XP002171257, NEW YORK, US	

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